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FIG. 1A

AAG GAA GTG GAG AAC CAG CAG CAG AAG CTG GCC AAC GTG GTG ATC CTG GCC	48
Lys Glu Val Gln Asn Gln Gln Lys Lys Leu Ala Asn Val Val Ile Leu Ala	15
	10
ACC GGC GGC ACC ATC GGC GGC GCT GGC GGC AGC GCC GCC AAC AGC GCC	96
Thr Gly Gly Thr Ile Ala Gly Ala Gly Ala Ser Ala Ala Asn Ser Ala	30
	25
ACC TAC CAG GCT GGC GGC GTT GGC GTC GAC AAG AAG CTG ATT GCC GGC GTG	144
Thr Tyr Gln Ala Ala Lys Val Gly Val Val Asp Lys Lys Ile Ala Gly Val	45
	40
CCG GAG CTG GGC GAC CTG GGC AAT GTG CGC GGC GAG CAG GTG ATG CAG	192
Pro Glu Leu Ala Asp Leu Ala Asn Val Arg Gly Glu Gln Val Met Gln	60
	55
ATC GCC TCC GAA AGC ATC ACC AAC GAC GAC CTG CTC AAG CTG GCA AGC	240
Ile Ala Ser Glu Ser Ile Thr Asn Asp Asp Leu Lys Leu Ala Ser	75
	70
	80

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FIG. 1B

AGC GTG GCC GAG CTG GGC GAC AGC AAT GAC GTC GAT GGC ATC GTC ATC 288	
Ser Val Ala Glu Leu 85	
	90
	95
	100
	105
	110
	115
	120
	125
	130
	135
	140
	145
	150
	155
	160

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FIG. 1C

ATG AAC GAC GAG ATC CAG TCC GGG CGT GAC GTG AGC AAG TCG ATC AAC 528	Met Asn Asp Glu Ile 165	Gln Ser Gly Arg Asp 170	Val Ser Lys Ser Ile Asn 175
ATC AAG ACC GAA GCC TTC AAG AGC GCC TGG GGC CCG CTG GGC ATG GTG 576	Ile Lys Thr Glu Ala 180	Ala Ser Ala Trp Gly Pro Leu 185	Met Val 190
GTG GAA GGC AAG TCG TAC TGG TTC CGC CTG CCG GCC AAG CGC CAC ACG 624	Val Glu Gly Lys Ser 195	Phe Tyr Trp Phe Arg Leu Pro Ala Lys Arg His Thr 200	
GTC AAC TCC GAG TTC GAC ATC AAG CAG ATC AGC AGC CTG CCC CAG GTG 672	Val Asn Ser Glu Phe 210	Asp Ile Trp Trp Phe Lys Gln Ile Ser 215	Gln Val 220
GAC ATC GCC TAC AGC TAT GGC AAC GTC ACC GAC ACG GCC TAC AAG GCC 720	Asp Ile Ala Tyr Ser 225	Tyr Gly Asn Val Thr Asp 230	Lys Ala 235
CTG GCA CAG AAC GGC GCC AAG GCG CTG ATC ATC CAT GCC GGC ACC GGC AAT 768	Leu Ala Gln Asn Glu Ala 245	Ala Lys Ala Leu Ile His Ala Gly Thr 250	Gly Asn 255

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FIG. 1D

GGC TCG GTG TCG TCG CGG GTG GTG CCA GCC CTG CAG GAG CTG CGC AAG 816
Gly Ser Val Ser Ser Arg Val Val Val Pro Ala Leu Gln Glu Leu Arg Lys 270
260 265

AAC GGC GTG CAG ATC ATT CGT TCG TCA CGT CAA CAG GGC GGT TTC GTG 864
Asn Gly Val Val Ile Arg Ser Ser Arg Gln Gln Gly Gly Phe Val 285
275 280

CTG CGT AAC GCC GAG CAG CCC GAC GAC AAG AAC GAC TGG GTC GTG GCC 912
Leu Arg Asn Ala Glu Gln Pro Asp Asp Lys Asn Asp Trp Val Val Ala 300
290 295

CAC GAC CTG AAC CCG CAG AAG GCC CGC ATC CTG GCG ATG GTG GCA ATG 960
His Asp Leu Asn Pro Gln Lys Ala Arg Ile Leu Ala Met Val Ala Met 315
305 310 320

ACC AAG ACC CAG GAC GAG AAG AAG CAG CTG CAG CGC ATT TTC TGG GAA TAC 1008
Thr Lys Thr Gln Asp Ser Lys Glu Leu Gln Arg Ile Phe Trp Glu Tyr 330
325 335

TGATAA

1014

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FIG. 2A

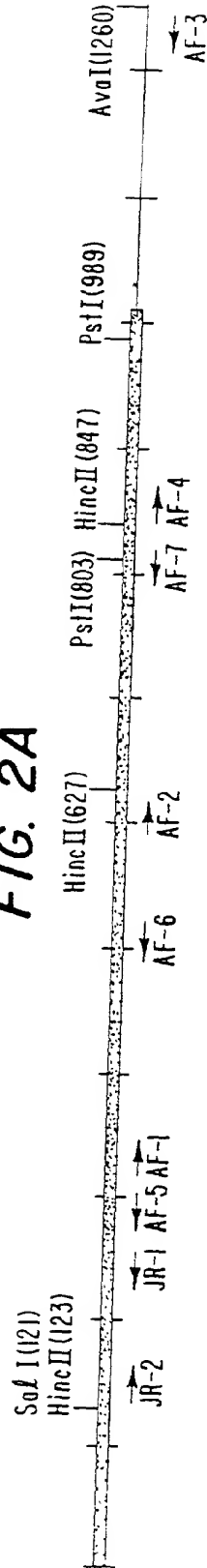
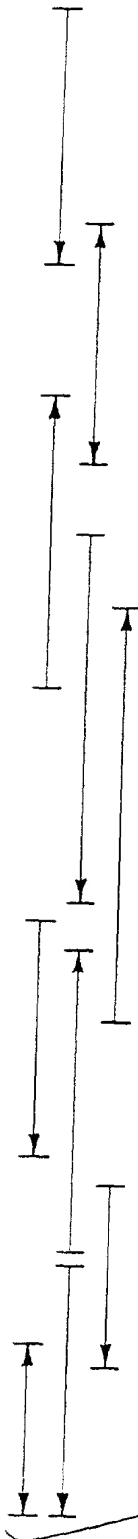


FIG. 2B



Primer

JR-1
JR-2
AF-1
AF-2
AF-3
AF-4
AF-5
AF-6
AF-7

Sequence (5' - 3')

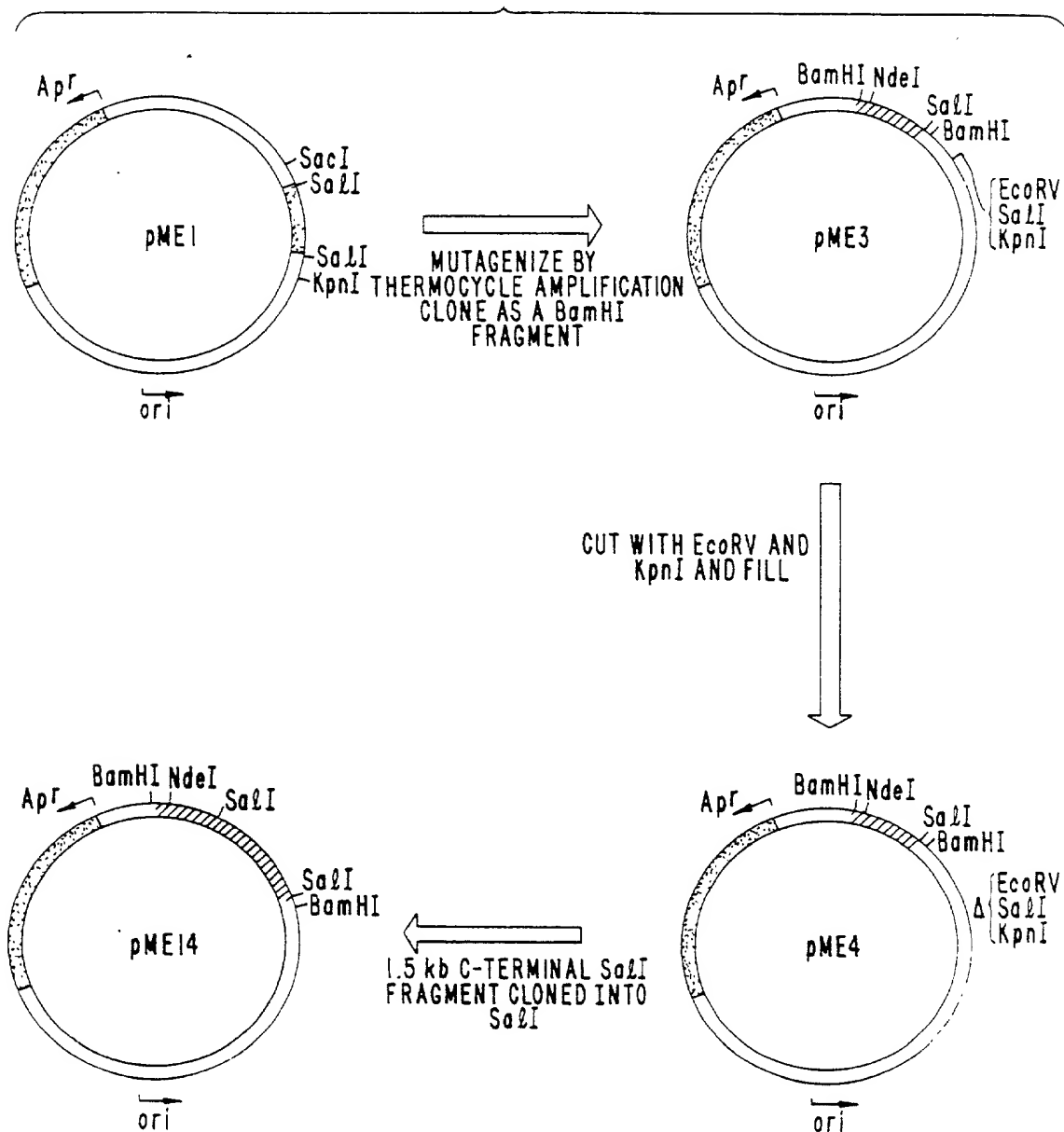
TGCAGCTTGAGCAGGTCGTC
CTGGCCGACCTGGCCAATGTG
CCTACTTTTGAACCTCGTG
CAAGTCGTAAGTTCGCGCC
CAATCGTCTGCGGACTCGTG
GCAGATCAATTCGTTCCCA
TGACGATGCCATCGACGTCA
TCACGTCACGCGGACTGG
AGCTCCTGCAGGGCTGGCAC

Coordinates

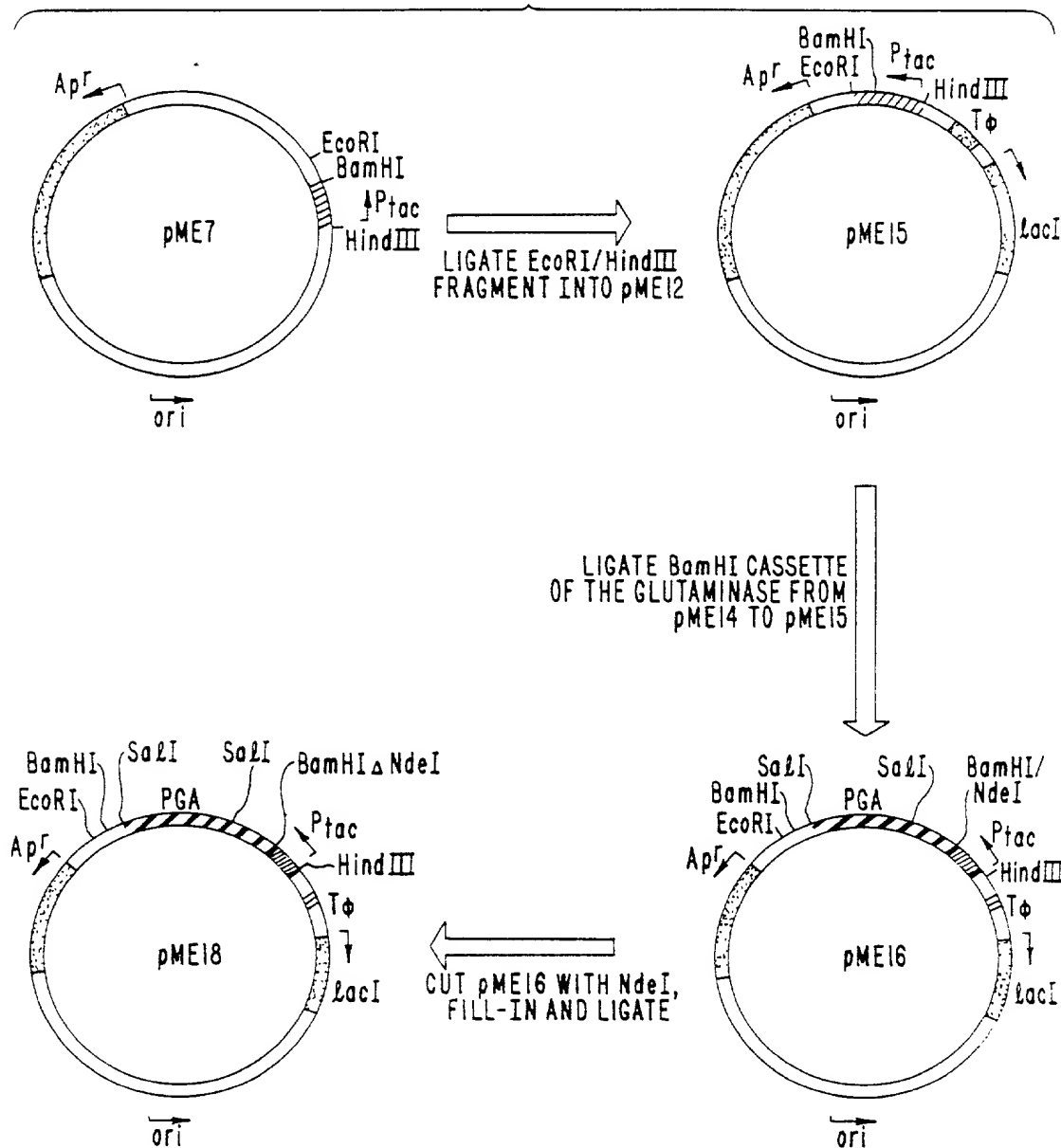
237 - 217
151 - 171
320 - 339
585 - 604
1250 - 1230
825 - 843
286 - 267
514 - 495
809 - 790

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FIG. 3A



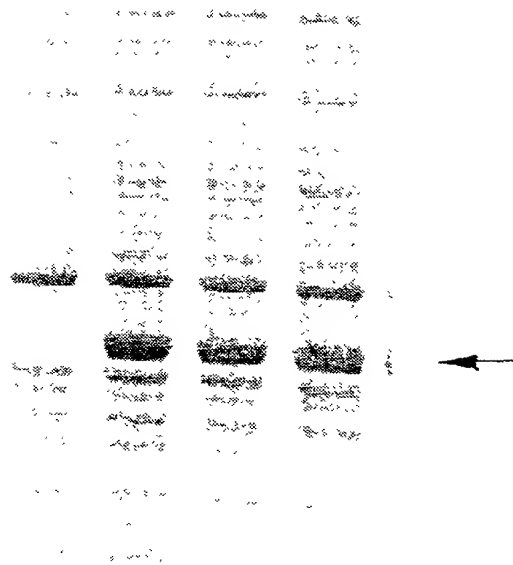
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FIG. 3B

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FIG. 4

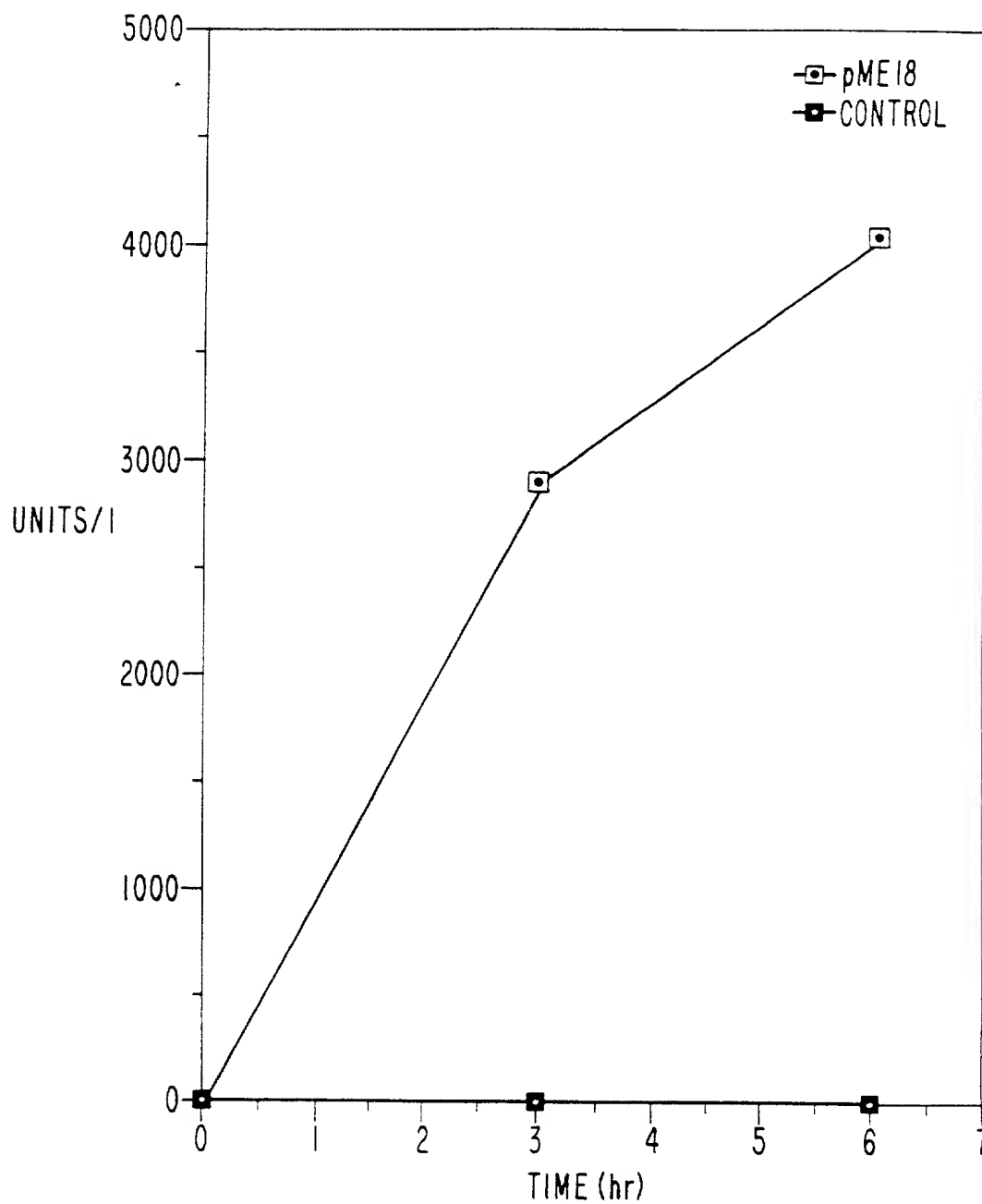
1 2 3 4



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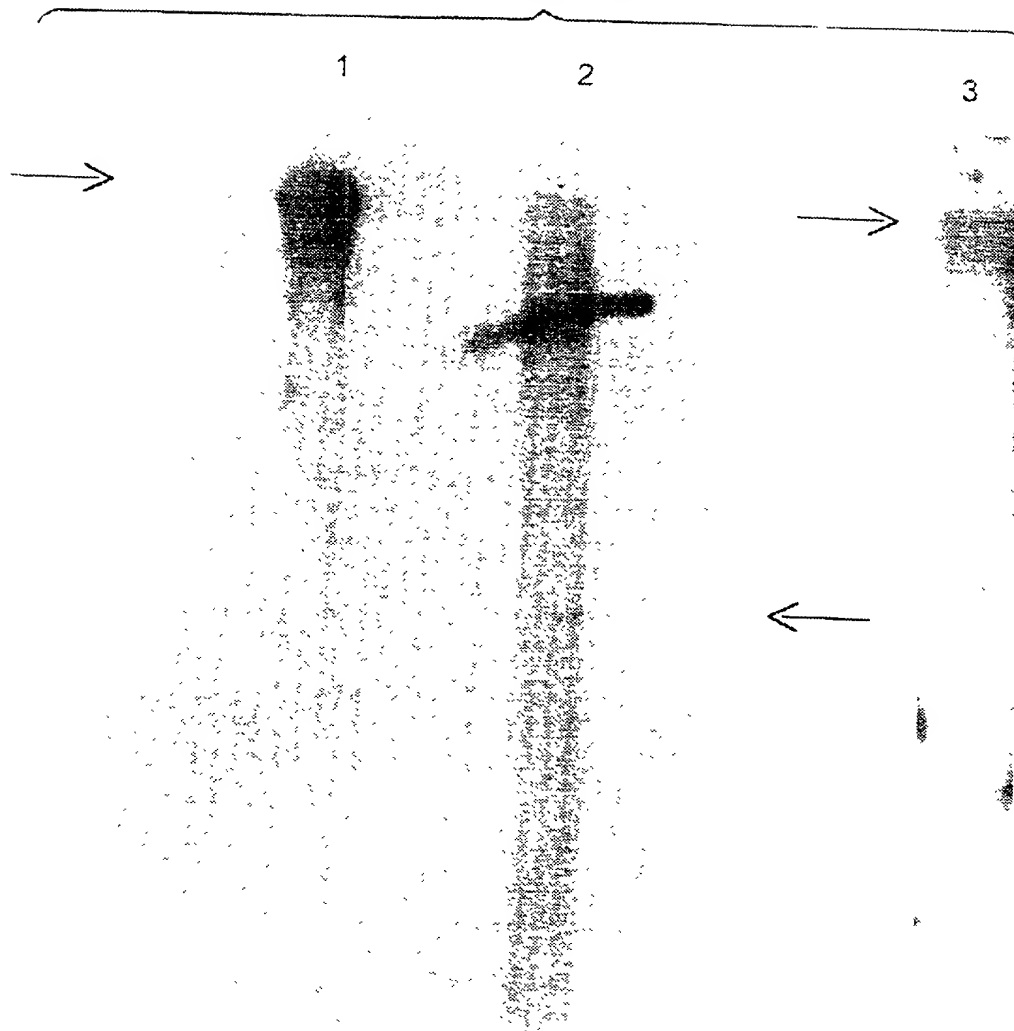
FIG. 5



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FIG. 6



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